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Terms	Documents
L6 and guard bed	0

**Database:**

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- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

**Search:**[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Saturday, February 08, 2003   [Printable Copy](#)   [Create Case](#)**Set Name Query**

side by side

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result set

*DB=USPT; PLUR=YES; OP=ADJ*

<u>L7</u>	L6 and guard bed	0	<u>L7</u>
<u>L6</u>	L5 and nitrogen\$7	10	<u>L6</u>
<u>L5</u>	(560/\$ or 422/\$ ) and L4	12	<u>L5</u>
<u>L4</u>	L3 and olefin	22	<u>L4</u>
<u>L3</u>	L2 and carboxylic acid	38	<u>L3</u>
<u>L2</u>	heteropolyacid catalyst and ester	59	<u>L2</u>
<u>L1</u>	heteropolyacid catalyst and aliphatic ester	3	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 10 returned.**☐ 1. Document ID: US 6476261 B2

L6: Entry 1 of 10

File: USPT

Nov 5, 2002

US-PAT-NO: 6476261

DOCUMENT-IDENTIFIER: US 6476261 B2

TITLE: Oxidation process for the production of alkenes and carboxylic acids[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 2. Document ID: US 6232491 B1

L6: Entry 2 of 10

File: USPT

May 15, 2001

US-PAT-NO: 6232491

DOCUMENT-IDENTIFIER: US 6232491 B1

TITLE: Purification process for removal of impurities in acetic acid-ethylene reactions

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 3. Document ID: US 6187949 B1

L6: Entry 3 of 10

File: USPT

Feb 13, 2001

US-PAT-NO: 6187949

DOCUMENT-IDENTIFIER: US 6187949 B1

TITLE: Synthesis of lower aliphatic esters using heteropolyacids with an aldehyde-free product stream[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 4. Document ID: US 6040472 A

L6: Entry 4 of 10

File: USPT

Mar 21, 2000

US-PAT-NO: 6040472

DOCUMENT-IDENTIFIER: US 6040472 A

TITLE: Catalyst for use in producing carboxylic esters[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)

☐ 5. Document ID: US 5861530 A

L6: Entry 5 of 10

File: USPT

Jan 19, 1999

US-PAT-NO: 5861530

DOCUMENT-IDENTIFIER: US 5861530 A

TITLE: Ester synthesis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 6. Document ID: US 5817831 A

L6: Entry 6 of 10

File: USPT

Oct 6, 1998

US-PAT-NO: 5817831

DOCUMENT-IDENTIFIER: US 5817831 A

TITLE: Alkylation of aromatic amines using a heteropoly catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 7. Document ID: US 5416240 A

L6: Entry 7 of 10

File: USPT

May 16, 1995

US-PAT-NO: 5416240

DOCUMENT-IDENTIFIER: US 5416240 A

TITLE: Preparation of poloxy-alkylene glycols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 8. Document ID: US 5262562 A

L6: Entry 8 of 10

File: USPT

Nov 16, 1993

US-PAT-NO: 5262562

DOCUMENT-IDENTIFIER: US 5262562 A

TITLE: Polyether glycol production by polymerization of tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 9. Document ID: US 5215952 A

L6: Entry 9 of 10

File: USPT

Jun 1, 1993

US-PAT-NO: 5215952

DOCUMENT-IDENTIFIER: US 5215952 A

TITLE: Macroporous oxidation catalyst and method for making the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 4987248 A

L6: Entry 10 of 10

File: USPT

Jan 22, 1991

US-PAT-NO: 4987248

DOCUMENT-IDENTIFIER: US 4987248 A

TITLE: Acid catalyzed formation of carbamates from olefins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Terms	Documents
L5 and nitrogen\$7	10

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